20/9/2016

محاضرة (1)

Automatic control of Mechanical systems.

6 hrs / week →
- 3 hr / week lec → 12:30 Pm → 3:30 Pm (wedns day)
- 3 hr / week sec (Tutorial) → (10:30 → 12:30) Sunday

Total mark

150 marks

30 marks	30 Mark	90 marks
oral / Practical	mid term + term work	written Exam

Contents.

ch 1 - Introduction to control Engineering.
- مقدمة تاريخية
- مفاهيم التحكم
- فائدته
- أمثلة على عمليات التحكم المختلفة

ch 2. system Modeling → [توصيف النظام بالمعادلات الرياضية

ch3. Time Domain Analysis.

ch4. closed - loop control systems.

ch5. classical Design in S - Plane

ممكن ناخده ولا حسب الوقت → ch.6 classical Design in frequency domain

Ref. Books

1. Advanced control Engineering. (Main ref book)
2. Modern control Engineering. (ogatta)